

- Endurance with ripple current: 3,000 hours at 125°C
- Suitable for the communication infrastructure power supply and other high temperature applications.
- Non solvent resistant type
- RoHS2 Compliant

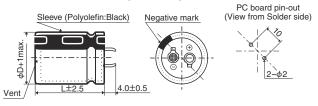


#### SPECIFICATIONS

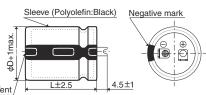
Items	Characteristics								
Category Temperature Range	-40 to +125℃								
Rated Voltage Range	400 & 450V <sub>dc</sub>								
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)								
Leakage Current	I≦3√CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)								
Dissipation Factor	Rated voltage (Vdc)	400 & 450V							
(tan δ)	tan δ (Max.)	0.20		(at 20℃, 120	OHz)				
Low Temperature	Rated voltage (Vdc)	400 & 450V							
Characteristics	Z(-25°C)/Z(+20°C)	8							
(Max. Impedance Ratio)			•	(at 120	0Hz)				
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 3,000 hours at 125°C.								
	Capacitance change	≤±20% of the init	tial value						
	D.F. (tan δ )	≦200% of the initi	al specified value						
	Leakage current	≦The initial specif	ied value						
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 125°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.								
	Capacitance change	≦±15% of the init	tial value						
	D.F. (tan $\delta$ )	≦150% of the initi	al specified value						
	Leakage current	≦The initial specif	ied value						

# **◆DIMENSIONS** [mm]

•Terminal Code : VS (φ30, φ35) : Standard



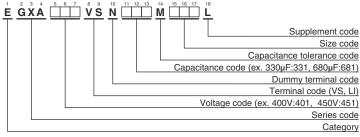
■Terminal Code : LI (φ35)





The standard design has no plastic disc.

## **◆PART NUMBERING SYSTEM**



Please refer to "Product code guide (snap-in type)"





### **STANDARD RATINGS**

•								
WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 125°C, 120Hz)		WV (V <sub>dc</sub> )	Cap (μF)	9
	270	30 × 30	0.20	1.24	EGXA401VSN271MR30L		220	Г
	330	30 × 35	0.20	1.41	EGXA401VSN331MR35L		270	Г
	330	35 × 30	0.20	1.48	EGXA401VSN331MA30L		270	Г
	390	30 × 40	0.20	1.57	EGXA401VSN391MR40L		270	Г
	390	30 × 45	0.20	1.61	EGXA401VSN391MR45L		330	Γ
	390	35 × 35	0.20	1.64	EGXA401VSN391MA35L		330	Γ
400	470	30 × 50	0.20	1.80	EGXA401VSN471MR50L	450	390	Г
400	470	35 × 40	0.20	1.86	EGXA401VSN471MA40L	450	390	Γ
	560	30 × 55	0.20	2.01	EGXA401VSN561MR55L		470	Γ
	560	30 × 60	0.20	2.04	EGXA401VSN561MR60L		470	Γ
	560	35 × 45	0.20	2.08	EGXA401VSN561MA45L		470	Γ
	680	35 × 50	0.20	2.34	EGXA401VSN681MA50L		560	
	680	35 × 55	0.20	2.39	EGXA401VSN681MA55L		560	
	820	35 × 60	0.20	2.67	EGXA401VSN821MA60L		680	Г

WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 125°C, 120Hz)	Part No.
	220	30 × 30	0.20	1.12	EGXA451VSN221MR30L
	270	$30 \times 35$	0.20	1.27	EGXA451VSN271MR35L
	270	30 × 40	0.20	1.31	EGXA451VSN271MR40L
	270	35 × 30	0.20	1.34	EGXA451VSN271MA30L
	330	30 × 45	0.20	1.48	EGXA451VSN331MR45L
	330	35 × 35	0.20	1.51	EGXA451VSN331MA35L
450	390	30 × 50	0.20	1.64	EGXA451VSN391MR50L
450	390	35 × 40	0.20	1.70	EGXA451VSN391MA40L
	470	30 × 55	0.20	1.84	EGXA451VSN471MR55L
	470	30 × 60	0.20	1.87	EGXA451VSN471MR60L
	470	35 × 45	0.20	1.91	EGXA451VSN471MA45L
	560	35 × 50	0.20	2.13	EGXA451VSN561MA50L
	560	35 × 55	0.20	2.17	EGXA451VSN561MA55L
	680	35 × 60	0.20	2.43	EGXA451VSN681MA60L

# **PRATED RIPPLE CURRENT MULTIPLIERS**

### Frequency Multipliers

Frequency(Hz)	50	120	300	1k	10k	50k
400 & 450V <sub>dc</sub>	0.77	1.00	1.16	1.30	1.41	1.43

The deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.



- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
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Part Numbering System
Part Numbering System (Appendix)
Standardization
Available Items by Manufacturing Locations
Environmental Measures
Technical Note
Precautions and Guidelines
Recommended Soldering Conditions
Taping, Lead-preforming and Packaging
Available Terminals for Snap-in and Screw Mount Type

products